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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/757,832	01/14/2004	Herbert W. Virgin	60005161-0168	55B5
26263	7590 . 09/07/21 05		EXAM	NER
SONNENSCHEIN NATH & FOSEN THAL LLP P.O. BOX 061080			CHEN, STACY BROWN	
WACKER DRIVE STATION, SEARS IT) WER			AKT UNIT	PAPER NUMBER
CHICAGO, I	L 60606-108D		t648	

DATE MAILED: 09/07/2005

Please find below and/or attached in Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) Non of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority (locuments have been received in Application No.

3. Copies of the certified copies: of the priority documents have been received in this National Stage. application from the international Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

tent pro Trademark Other PTOL-326 (Rev. 1-04)

Notice of References Cited (PTO-892)
 Notice of Draftsperson's Patent Drawing Rt view P1 O-948)

3) Information Disclosure Statement(s) (PTO- 448 r r FTO/SB/08) Paper No(s)/Mail Date

4)	\boxtimes	Interview Summary (PTO-413)
		Paner NofsVMail Date, ettecher

5) Notice of Informal Patent Application (PTO-152)

6) Other:

Office Action Summary

Part of Paper No./Mail Date 20050819

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DETAILED ACTION

During a phone interview with Saul Zackman, the examiner was informed that a preliminary amendment had been filed on August 3, 2005. The restriction requirement that was mailed on August 11, 2005 is no longer applicable to the newly added/amended claims of the August 3, 2005 amendment. Therefore, the previous restriction is vacated, and a new restriction is presented below.

Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 12-14, 46-48, 57 and 59 are drawn to a polypeptide of SEQ ID NO: 2, 3, or 4, classified in c are 530, subclass 300.
 - ❖ Further restriction is required from Group I. Applicant must elect one sequence of SEQ ID NO: 2-4, for search and examination.
 - II. Claims 36-45, iray n to a method of detecting antibodies against MNV-1, classified in class 424, subclass 130.1.
 - III. Claims 49, 50 and .i4-56, drawn to a method of making an assay surface comprising polyper tides, classified in class 435, subclass 5.
 - IV. Claims 51-53, frav n to a method of making an assay surface comprising cells that express petype stides, classified in class 435, subclass 4.
 - V. Claim 58, drawn to a reagent that detects binding of antibody with polypeptide, classified in class 434, subclass 6.

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- VI Claims 60-62, drawn to a method of detecting MNV-1, classified in class 435, subclass 5.
 - ❖ Further restriction is required from claim 62. Applicant is required to elect one pair of primers. For example, SEQ ID NO: 15 and SEQ ID NO: 16.
- 3. The inventions are distinct, each from the other because of the following reasons:
- a) Restriction betwee 1 po ypeptides of SEQ ID NO: 2-4, and primers SEQ ID NO: 15-20, respectively, is required because each sequence is different in terms of amino acids, number of residues and bases, and the encoded proteins. No product from these sequences will result in the enaction product. Further, a search for each sequence requires searching against every amino acid and nucleic acid sequence in all of the PTO sequence databases. Such as search would be a serious burden on the Office.
- b) The polypeptides of Group I and the methods of Groups II-IV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product [MPE] § 806.05(h)). The polypeptide can be used in a materially different method of use, such as inducing an immune response in a test animal, or for epitope mapping.
- c) The polypeptide of Group I and the reagent of Group V are distinct products. It is unclear what Group V is, however, if it is an antibody, then the antibody and the polypeptides of Group I are structurally different. A search for a polypeptide will not necessary reveal literature that speaks to the antibodies that hind the complex of antibody/polypeptide.

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- d) The polypeptide of Group I and the method of Group VI are unrelated because the polypeptide is not disclosed as capable of use in the method of Group VI.
- e) Groups II-IV are d awr to distinct methods making use of polypeptides and antibodies. These methods requir: different method steps for detecting antibodies, making surfaces with polypeptides and making surfaces with cells that express the polypeptides. The outcomes of the methods are not the same, nor would the steps be the same since detecting and producing surfaces with polypeptides do not share common method steps with each other.
- f) Groups II and V may be related as product and process of using. (The actual product of Group V is unknown.) If the detecting method of Group II uses the product of Group V, then the product of Group can be used in a materially different method, such as inducing an immune response in a test animal or epitops mapping.
- g) Groups (II-V) and VI are not related because the method of Group VI does not use the methods or product of Group: II-V.
- h) Groups III and V may be related as product and process of using. (The actual product of Group V is unknown.) If the detecting method of Group III uses the product of Group V, then the product of Group can be used in a materially different method, such as inducing an immune response in a test animal or epitop : napping.
- i) Groups IV and V at e un related because the method of Group IV does not require a reagent of Group V.

Because these inventions are distinct for the reasons given above, have acquired a separate status in the art as shown by their different classification, and the search required for each Group is not required for the other Groups because each Group requires a different non-

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patent literature search due to each Circup comprising different products and/or method steps, restriction for examination purpos is as indicated is proper. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

4. The examiner has required a striction between product and process claims. Where applicant elects claims directed to the product and a product claim is subsequently found allowable, withdrawn process claims that depend from or otherwise include all the limitations of the allowable product claim will be rejoined in accordance with he provisions of MPEP § 821.04. Process claims that depend from or otherwise include all the limitations of the patentable product will be entered as a matter of right if the amendment is presented prior to final rejection or allowance, whichever is earlier.

Amendments submitted after final a justion are governed by 37 CFR 1.116; amendments submitted after allowance are governed by 37 CFR 1.312.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be with drawn, and the rejoined process claims will be fully examined for patentability in accordance wit 137 C.R 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103, and 112. Until an elected product claim is found allowable, an otherwise proper restriction requirement between product claims and process claims may be reaintained. Withdrawn process claims that are not commensurate in scope with an allowed product of him will not be rejoined. See "Guidance on Treatment of Product and Process Claims in light of him eachial. In re Browner and 35 U.S.C. § 103(b)," 1184 O.G. 86 (March 26, 1996). Additionally, in order to retain the right to rejoinder in accordance with the above

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policy, Applicant is advised that the process claims should be amended during prosecution either to maintain dependency on the product ciaims or to otherwise include the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double pater ting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by th: examiner before the patent issues. See MPBP § 804.01.

Condusion

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either I rivs to PAIR or Public PAIR. Status information for unpublished applications is available through Frivate PAIR only. For more information about the PAIR system, see http://pair-direct.) sptc.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Bu: ir ess Center (EBC) at 866-217-9197 (toll-free).

Any inquiry concernit g this communication or earlier communications from the examiner should be directed to Stucy B. Chen whose telephone number is 571-272-0896. The examiner can normally be resched on M-F (7:00-4:30). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James C. Housel can be reached on 571-272-0902. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

tay B. Chen y B. Chen

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